



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

August 21, 2003

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Girtz Industries, Inc. / 181-17458-00038

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FN-REGIS.dot 8/11/03

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Michael Keever
Girtz Industries, Inc.
5262 North East Shafer Drive
Monticello, Indiana 47960

Re: 181-17458
Second Notice-only change to
Registration 181-13600-00038

Dear Mr. Keever:

Girtz Industries, Inc. was issued a registration on January 16, 2002 for an abrasive blasting and painting operation. A letter notifying the Office of Air Quality of the addition of two (2) new emission units was received on June 25, 2003. Pursuant to the provisions of 326 IAC 2-5.5-6(d), the registration is hereby revised as follows:

1. Addition of one (1) natural gas fired drying oven, with a maximum heat input capacity of 2.0 MMBtu per hour.
2. Addition of one (1) natural gas fired controlled pyrolysis cleaning furnace, with a maximum heat input capacity of 0.5 MMBtu per hour.
3. Since 326 IAC 6-3 was updated on August 1, 2002, IDEM OAQ has updated Condition 2 and 3 so that the correct title for 326 IAC 6-3, "Particulate Emission Limitation for Manufacturing Processes", is reflected in the revised registration.

All other conditions of the registration shall remain unchanged and in effect. Please find attached a copy of the revised registration.

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Sanobar Durrani, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7810 to speak directly to Ms. Durrani. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,
Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments



ERG/SD

cc: File - White County
White County Health Department
Air Compliance Section Inspector -Wanda Stanfield
Compliance Data Section -Karen Nowak
Administrative and Development - Sarah Cloe
Technical Support and Modeling - Michele Boner

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GOVERNOR

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August 22, 2003

Mr. Michael Keever
Girtz Industries, Inc.
5262 North East Shafer Drive
Monticello, Indiana 47960

Re: Revised Registration 181-17458-00038
Second Notice-only change to Registration
181-13600-00038

Dear Mr. Keever:

The renewal application from Girtz Industries, received on December 8, 2000, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following paint booth and abrasive blasting operation, located at 5262 N. East Shafer Drive, Monticello, Indiana, is classified as registered:

- (a) One (1) paint booth with a maximum capacity of 117 metal containers per month and 50 exhaust diverters per year, controlled with a corrugated paper filter which exhausts to stack #1 with a maximum flow rate of 30,000 acfm.
- (b) One (1) abrasive blasting operation with a maximum abrasive flow rate of 290 lb/hr and a nozzle pressure of 95 psig.
- (c) One (1) natural gas fired drying oven with a maximum heat input capacity of 2.0 MMBtu per hour.
- (d) One (1) natural gas fired controlled pyrolysis cleaning furnace with a maximum heat input capacity of 0.5 MMBtu per hour.

The following conditions shall be applicable:

- 1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:
 - (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.
- 2. 326 IAC 6-3-2 (Particulate Emission Limitation for Manufacturing Processes)
Pursuant to 181-8591-00038, issued on June 12, 1997, the particulate matter (PM) from the abrasive blasting operation shall be limited to 2.4 pounds per hour.



3. Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitation for Manufacturing Processes) the particulate matter (PM) from the spray paint booth shall be limited by the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

The dry filter shall be in operation at all times the paint booth is in operation, in order to comply with this limit.

4. In order to maintain Registration status, the source must maintain records of the surface coating and solvent used and the VOC and HAP content. The volatile organic compound emissions from the spray paint booth shall not exceed 25 tons per year and the hazardous air pollutant from the spray paint booth shall not exceed ten (10) tons per year or 25 tpy of any combination of HAPs.
5. Pursuant to 326 IAC 2-5.5-1, the potential to emit of all hazardous air pollutants combined from the spray paint booth shall not exceed twenty-five (25) tons per year.
6. Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating delivered to the applicator at the spray booth shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

This registration is a renewal issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3)). The annual notice shall be submitted to:

Compliance Branch
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,
Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

ERG/SD

cc: File - White County
White County Health Department
Air Compliance -Wanda Stanfield
Permit Tracking - Sara Cloe
Technical Support and Modeling - Michele Boner
Compliance Data Section - Karen Nowak

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name:	Girtz Industries
Address:	5262 N. East Shafer Drive
City:	Monticello, Indiana 47960
Authorized individual:	Safety Coordinator
Phone #:	(219) 278-7510
Registration #:	181-17458-00038

I hereby certify that Girtz Industries is still in operation and is in compliance with the requirements of Registration 181-17458-00038.

Name (typed):
Title:
Signature:
Date:

Appendix A: Emission Calculations
One (1) Drying Oven, and One (1) Furance

Company Name: Girtz Industries, Inc.

Address: 5262 North East Shafer Drive, Monticello, Indiana 47960

Registration: 181-17458

Plt ID: 181-00038

Reviewer: ERG/SD

Date: July 16, 2003

Heat Input Capacity
MMBtu/hour

Potential Throughput
MMCF/year

2.50 (2 Units Total)

21.9

	Pollutant					
	PM*	PM10*	SO ₂	NO _x	VOC	CO
Emission Factor (lb/MMCF)	7.6	7.6	0.6	100.0 **see below	5.5	84.0
Potential To Emit (tons/year)	0.08	0.08	0.01	1.1	0.06	0.9

*PM and PM10 emission factors are filterable and condensable PM and PM10 combined.

**Emission factors for NO_x: Uncontrolled = 100, Low NO_x Burner = 50, Low NO_x Burners/Flue gas recirculation = 32

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

METHODOLOGY

Potential Throughput (MMCF/year) = Heat Input Capacity (MMBtu/hr) * 8760 hours/year * 1 MMCF/1000 MMBtu

Potential To Emit (tons/year) = Potential Throughput (MMCF/year) * Emission Factor (lb/MMCF) * 1 ton//2000 lbs

See page 2 for HAPs emissions calculations.

Appendix A: Emission Calculations
One (1) Drying Oven, and One (1) Furnace

Company Name: Girtz Industries, Inc.

Address: 5262 North East Shafer Drive, Monticello, Indiana 47960

Registration: 181-17458

Plt ID: 181-00038

Reviewer: ERG/SD

Date: July 16, 2003

HAPs - Organics

Emission Factor (lb/MMCF)	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential To Emit (tons/year)	2.300E-05	1.314E-05	8.213E-04	1.971E-02	3.723E-05

HAPs - Metals

Emission Factor (lb/MMCF)	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential To Emit (tons/year)	5.475E-06	1.205E-05	1.533E-05	4.161E-06	2.300E-05

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.